

--1. (Trice Amended) A method of converting a plurality of input field types to a plurality of output field types by an application program, said method comprising:

(a) receiving a first attribute of a first input field type and a second attribute of a first output field type;

(b) dynamically creating at runtime a first optimized conversion routine based on said first attribute and said second attribute, the conversion routine including one or more computer instructions to be executed during conversion; and

(c) executing said first optimized conversion routine from said application program to convert said first input field type to said first output field type.

8. (Trice Amended) A method of converting data from input field types to output field types, said method comprising:

(a) receiving a plurality of input attributes and output attributes from an application program;

(b) dynamically creating at runtime a plurality of data field conversion routines for each set of input attributes and output attributes, the conversion routines including one or more computer instructions to be executed during conversion; and

(c) storing said plurality of data field conversion routines in memory accessible to said application program.